

CLAIMS

1. A dyeable acrylic shrinkable fiber comprising 50 to 99 parts by weight of a polymer (A) comprising 80 to 97 wt% of acrylonitrile, 0 to 2 wt% of a sulfonic acid group-containing monomer and 3 to 20 wt% of a monomer copolymerizable with the monomers; and 1 to 50 parts by weight of a polymer (B) comprising 0 to 89 wt% of acrylonitrile, 1 to 40 wt% of a sulfonic acid group-containing monomer and 10 to 99 wt% of a monomer copolymerizable with the monomers, wherein the polymers (A) and (B) are 100 parts by weight in total.
2. The acrylic shrinkable fiber according to claim 1, wherein the total content of the sulfonic acid group-containing monomers in the polymers (A) and (B) is 0.1 to 10 wt% based on the total monomer content in the polymers (A) and (B).
3. An acrylic shrinkable fiber comprising a polymer comprising 80 to 97 wt% of acrylonitrile, and having a relative saturation value of 0.2 or more when dyed at less than 80°C.
4. The acrylic shrinkable fiber according to claim 1, 2 or 3, having a shrinkage percentage of 20% or more when treated with dry heat at 130°C for five minutes after dyed at less than 80°C.